WHAT LOADS ARE ACTUALLY APPLIED ON LANDING GEARS?

- To Find Out, We "Wired" This Plane For Trouble



IT had never been done before—an extensive flighttest study in which simultaneous recordings were made of all the component landing-gear loads affecting wheels and brakes, together with the resulting strain.

We selected our own Twin Beech as the guinea pig, and ultimately put it through every conceivable type of field maneuver during the course of 64 flights—with strain gauge instrumentation of the gear at 135 points.

But first, Stresscoat was used to tell us where to locate strain gauges. Then, to segregate loads the instrumented strut assembly was subjected to extreme conditions of drag, side, radial, and castering loads on special laboratory test equipment.

The results have proved the dependability of laboratory testing and have enabled us to go further, for they have opened up new knowledge concerning true service loads which was hitherto unknown.

It took 2 years in the doing — all because Goodyear insists on ascertaining rather than assuming the items which represent the facts of the problem, thereby helping to pioneer aviation progress.

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AMATION WEEK . April 20 1954 . Yell 65 16, 12 Months AET and AEC

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► Boong Amplese Co. is developing a larger version of sts B-52 Stratefort

bomber sined at increased range and better accommodation of the lardro-► Navy has abandoned its program to convert DC-Is to Secur DC-I trans-

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ANATION WIRK, April 26, 1954

AVIATION WEEK VOL 68, NO. 17

Defense Reveals Scope of Missile Buildup

 Military programs 84.7 billion since '51; Army tikes wraps off Corporal, Honest John artillery weapons.

By G. J. Haldhorr

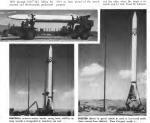
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NEWS SIDELIGHTS

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ANATION WEEK, April 26, 1954

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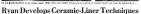
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